# Wildlife Interpretations

### General

Soils directly affect the kind and amount of vegetation that is available to wildlife as food and cover. They also affect the development of water impoundments. The kind and abundance of wildlife that populate an area depend largely on the amount and distribution of food, cover, water, and living space. If any one of these elements is missing, inadequate, or inaccessible, wildlife will be scarce or will not inhabit the area. If the soils have the potential, wildlife habitat can be created or improved by planting appropriate vegetation, properly managing the existing plant cover, and fostering the natural establishment of desirable plants.

Soils are rated according to their potential for providing habitat for various kinds of wildlife. This information can be used in planning parks, wildlife refuges, nature study areas, and other developments for wildlife. It can also be used in selecting soils that are suitable for establishing, improving, or maintaining specific elements of wildlife habitat.

## Suitability Ratings

**GOOD** - means that the element of wildlife habitat or the kind of habitat is easily created, improved, or maintained. Few or no limitations affect management, and satisfactory results can be expected if the soil is used for the designated purpose.

**FAIR** - means that the element of wildlife habitat or kind of habitat can be created, improved, or maintained in most places. Moderately intensive management is required for satisfactory results.

**POOR** - means that limitations are severe for the designated element or kind of wildlife habitat. Habitat can be created, improved, or maintained in most places, but management is difficult and requires intensive effort.

## Description of Wildlife Habitat Elements

Grain and seed crops are seed-producing annuals used by wildlife. Examples are corn, wheat, rye, oats, barley, millet, buckwheat, and sunflowers.

Grasses and legumes are domestic perennial grasses and herbaceous legumes that are planted for wildlife food and cover. Examples are fescue, bluegrass, brome grass, timothy, orchard grass, clover, alfalfa, trefoil, reed canary grass, and crown vetch.

Wild herbaceous plants are native and naturally established herbaceous grasses, forbs, and weeds, that provide food and cover for wildlife. Examples are bluestem, indiangrass, blueberry, goldenrod, lambsquarters, dandelions, blackberry, ragweed, wheatgrass, fescue, and nightshade.

Hardwood trees and the associated woody understory provide cover for wildlife and produce nuts or other fruit, buds, catkins, twigs, bark, or foliage that wildlife eat. Examples of native plants are oak, poplar, cherry, apple, birch, beech, maple, hickory, hazelnut, black walnut, and viburnum. Examples of fruit-bearing shrubs that are

commercially available and suitable for planting on soils rated good are hawthorn, honeysuckle, sumac, silky dogwood, highbush cranberry, autumn olive, and crabapple.

Coniferous plants are cone-bearing trees, shrubs, or ground cover that furnish habitat or supply food in the form of browse, seed, or fruit-like cones. Examples are pine, spruce, hemlock, fir, yew, cedar, larch, and juniper.

Wetland plants are annual and perennial wild herbaceous plants that grow on moist or wet sites, exclusive of submerged or floating aquatics. They produce food or cover for wildlife that use wetland as habitat. Examples of wetland plants are smartweed, wild millet, rushes, sedges, reeds, wildrice, arrowhead, water plantain, pickerelweed, and cattail.

Shallow water are bodies of surface water that have an average depth of less that 5 feet and are useful as habitat for wildlife. They can be naturally wet areas, or they can be created by dams or levees, or by water-control devices in marshes or streams. Examples are muskrat marshes, waterfowl feeding areas, wildlife watering developments, beaver ponds, and other wildlife ponds.

### Kinds of Wildlife Habitat

Open land habitat consists of croplands, pastures, meadows, and areas that are overgrown with grasses, herbs, shrubs, and vines. These areas produce grain and seed crops, grasses and legumes, and wild herbaceous plants. The kind of wildlife attracted to these areas include bobwhite quail, pheasant, meadowlark, field sparrow, killdeer, cottontail rabbit, red fox, and woodchuck.

Woodland habitat consists of hardwood or conifers, or a mixture of these and associated grasses, legumes and wild herbaceous plants. Examples of wildlife attracted to this habitat are wild turkey, woodcock, thrushes, woodpeckers, owl, tree squirrels, gray fox, porcupine, raccoon, and deer.

Wetland habitat consists of water-tolerant plants in open, marshy or swampy, shallow water areas. Examples of wildlife attracted to this habitat are ducks, geese, herons, bitterns, rails, kingfishers, muskrat, otter, mink, and beaver.

This subsection includes:

• (a) Wildlife Management Ratings (one or two tables)

#### Wildlife Habitat

Map symbol and soil name	  Grain and seed crops   use as food and cove		Domestic grasses a legumes (for use as sand cover)		   Upland wild herbace   plants 	ous	   Upland shrubs and v   	ines	   Upland deciduous tr   	ees
	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value   
70022: Tonti	  Very limited  ~percs slowly   (very limited)  ~droughty   (limited)  ~high erodibility   (limited)	    1.00    0.90    0.80	  Very limited  ~percs slowly   (very limited)  ~high erodibility   (limited)  ~wetness   (moderately limited)	   1.00   0.80   0.44	  Moderately limited  ~wetness   (moderately limited) 	      0.44     	  Moderately limited  ~wetness   (moderately limited)	             	  Moderately limited  ~wetness   (moderately limited)	    0.59     
70025: Branson	  Moderately limited  ~moderate erodibility   (moderately limited)	      0.50	  Moderately limited  ~moderate erodibility   (moderately limited)	      0.50	  Not limited 	       	  Not limited 	       	  Not limited 	
Splitlimb	Moderately limited   ~wetness   (moderately limited)   ~moderate erodibility   (moderately limited)		Moderately limited -wetness (moderately limited) -moderate erodibility (moderately limited)	İ	Moderately limited   ~wetness   (moderately limited)	  0.53   	Moderately limited   ~wetness   (moderately limited)	    0.53   	  Limited  ~wetness   (limited)	  0.79   
70026: Tonti	  Very limited  ~percs slowly  (very limited)  ~droughty  (limited)  ~moderate erodibility  (moderately limited)	    1.00    0.90    0.50	  Very limited  ~percs slowly  (very limited)  ~moderate erodibility  (moderately limited)  ~wetness  (moderately limited)	  1.00    0.50    0.44	  Moderately limited  ~wetness   (moderately limited)   	    0.44     	  Moderately limited  ~wetness   (moderately limited)   	    0.44     	  Moderately limited  ~wetness   (moderately limited)	    0.59     
73000: Pomme	  Limited  ~high erodibility   (limited)  ~droughty   (slightly limited)	      0.80    0.02	  Limited  ~high erodibility   (limited)   	0.80	  Not limited       		  Not limited   		  Not limited   	           

### Wildlife Habitat

Map symbol and soil name	Grain and seed crops   use as food and cov		Domestic grasses a legumes (for use as and cover)		Upland wild herbaced plants	ous	   Upland shrubs and v   	ines	   Upland deciduous tr   	rees
	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value
73013: Lowassie	Very limited   -wetness   (very limited)   -ponded (wetness)   (very limited)   -percs slowly   (moderately limited)	      1.00    1.00    0.39	  Very limited  ~wetness   (very limited)  ~ponded (wetness)   (very limited)  ~percs slowly   (moderately limited)	   1.00   1.00   1.00   0.39	  Very limited  ~wetness   (very limited)  ~seasonally ponded   (limited)	      1.00    0.80	  Very limited  ~wetness   (very limited)  ~seasonally ponded   (limited)	      1.00    0.80	  very limited  ~wetness   (very limited)  ~seasonally ponded   (limited)	1.00
73017: Bendavis	Very limited   ~small stones   (very limited)   ~slope   (limited)   ~droughty   (limited)	  1.00    0.91    0.87	  Very limited  ~small stones   (very limited)  ~slope   (limited)  ~high erodibility   (limited)	  1.00    0.91    0.80	  Limited  ~small stones   (limited)  ~wetness   (slightly limited)	    0.67    0.28	  Limited  ~small stones   (limited)  ~wetness   (slightly limited)  ~depth to bedrock   (slightly limited)	  0.67  0.28  0.13	  Moderately limited  ~wetness   (moderately limited)  ~depth to bedrock   (slightly limited)	    0.45    0.13 
Poynor	Very limited   ~droughty   (very limited)   ~small stones   (very limited)   ~high erodibility   (limited)	  1.00    1.00    0.80	  very limited  ~small stones   (very limited)  ~high erodibility   (limited)  ~slope   (moderately limited)	  1.00    0.80    0.60	  Limited  ~small stones   (limited)  ~droughty   (moderately limited)	  0.73    0.57   	  Limited  ~small stones   (limited)  ~droughty   (moderately limited)	  0.73    0.57 	  Moderately limited  ~droughty   (moderately limited)   	  0.57       
73019: Poynor	Very limited   ~droughty   (very limited)   ~small stones   (very limited)   ~high erodibility   (limited)	  1.00    1.00    0.80	  Very limited  ~small stones   (very limited)  ~high erodibility   (limited)  ~droughty   (moderately limited)	  1.00    0.80    0.57	  Limited  ~small stones   (limited)  ~droughty   (moderately limited)	    0.67    0.57 	  Limited  ~small stones   (limited)  ~droughty   (moderately limited)	    0.67    0.57   	  Moderately limited  ~droughty   (moderately limited) 	    0.57     

### Wildlife Habitat

Map symbol and soil name	  Grain and seed crops   use as food and cove		Domestic grasses a legumes (for use as and cover)		Upland wild herbace plants	ous	Upland shrubs and v	ines	   Upland deciduous tr   	rees
	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value
73021: Poynor	  Very limited  ~droughty   (very limited)  ~small stones   (very limited)  ~high erodibility   (limited)	    1.00    1.00    0.80	  Very limited  ~small stones   (very limited)  ~high erodibility   (limited)  ~slope   (moderately limited)	   1.00   0.80   0.60	  Limited  ~small stones   (limited)  ~droughty   (moderately limited)	0.73	  Limited  ~small stones   (limited)  ~droughty   (moderately limited)	0.73	  Moderately limited  ~droughty   (moderately limited)	      0.57     
73023: Mano	  Limited  ~droughty   (limited)  ~high erodibility   (limited)  ~small stones   (moderately limited)	  0.87  0.80  0.48	  Limited  ~high erodibility   (limited)  ~small stones   (moderately limited)  ~percs slowly   (moderately limited)	0.80	  Slightly limited  ~wetness   (slightly limited)  ~small stones   (slightly limited)	    0.28    0.08	  Slightly limited  ~wetness   (slightly limited)   	    0.28     	  Moderately limited  ~wetness   (moderately limited)   	    0.45     
Ocie	Very limited  ~small stones   (very limited)  ~high erodibility   (limited)  ~droughty   (limited)	  1.00    0.80    0.63	Very limited   ~small stones   (very limited)   ~high erodibility   (limited)   ~percs slowly   (moderately limited)	  1.00    0.80    0.39	  Moderately limited  ~small stones   (moderately limited)  ~wetness   (slightly limited)	  0.42    0.28	  Slightly limited  ~small stones   (slightly limited)  ~wetness   (slightly limited)	0.30	Moderately limited  ~wetness   (moderately limited) 	  0.45     
73024: Mano	  Limited  ~small stones   (limited)  ~droughty   (limited)  ~high erodibility   (limited)	  1.00    0.87    0.80	  Limited  ~small stones   (limited)  ~high erodibility   (limited)  ~percs slowly   (moderately limited)	0.80	  Slightly limited  ~wetness   (slightly limited)  ~small stones   (slightly limited)	0.28	  Slightly limited  ~wetness   (slightly limited)  ~small stones   (slightly limited)	  0.28    0.01 	  Moderately limited  ~wetness   (moderately limited)   	    0.45     

### Wildlife Habitat

Map symbol and soil name	Grain and seed crops   use as food and cove		Domestic grasses a legumes (for use as and cover)		Upland wild herbace plants	ous	Upland shrubs and v	ines	   Upland deciduous tre     	ees
	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value   
73024: (cont) Ocie	  Very limited  ~small stones   (very limited)  ~high erodibility   (limited)  ~droughty   (limited)	    1.00    0.80    0.63	  Very limited  ~small stones   (very limited)  ~high erodibility   (limited)  ~percs slowly   (moderately limited)	1.00	  Moderately limited  ~small stones   (moderately limited)  ~wetness   (slightly limited)	0.42	  Slightly limited  ~small stones   (slightly limited)  ~wetness   (slightly limited)	0.30	Moderately limited    ~wetness   (moderately limited)	      0.45     
73032: Gatewood	Very limited   ~droughty   (very limited)   ~small stones   (very limited)   ~high erodibility   (limited)	  1.00  1.00  1.00  0.80	  Very limited  ~small stones  (very limited)  ~high erodibility  (limited)  ~depth to bedrock  (moderately limited)	  0.80    0.46	   Moderately limited  ~small stones   (moderately limited)  ~wetness   (moderately limited)  ~droughty   (moderately limited)	0.42		  0.46    0.36    0.30	  Moderately limited    ~wetness   (moderately limited)   ~depth to bedrock   (moderately limited)   ~droughty   (moderately limited)	    0.51    0.46    0.30
73033: Gatewood	  Very limited  ~droughty   (very limited)  ~small stones   (very limited)  ~high erodibility   (limited)	  1.00    1.00    0.80	  Very limited  ~small stones   (very limited)  ~high erodibility   (limited)  ~slope   (moderately limited)	  0.80    0.60	  Limited  ~small stones   (limited)  ~wetness   (moderately limited)  ~droughty   (moderately limited)	  0.73    0.36    0.30	  Limited  ~small stones   (limited)  ~depth to bedrock   (moderately limited)  ~wetness   (moderately limited)	  0.73    0.46    0.36	   Moderately limited   ~wetness   (moderately limited)   ~depth to bedrock   (moderately limited)   ~droughty   (moderately limited)	  0.51  0.46    0.30
73051: Winnipeg	  Moderately limited  ~moderate erodibility   (moderately limited)	    0.50 	  Moderately limited  ~moderate erodibility   (moderately limited)		  Not limited 	       	  Not limited   	       	  Not limited 	

### Wildlife Habitat

Map symbol and soil name	Grain and seed crops use as food and cov		Domestic grasses at legumes (for use as and cover)		Upland wild herbace plants	ous	   Upland shrubs and v   	ines	   Upland deciduous tr   	rees
	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value	Rating class and limiting features	Value   
73052: Lily	  Very limited  ~droughty   (very limited)  ~depth to bedrock  (limited)  ~moderate erodibility   (moderately limited)		  Limited  ~depth to bedrock  (limited)  ~moderate erodibility  (moderately limited)  ~droughty  (slightly limited)	İ	  Slightly limited  ~droughty   (slightly limited)   	               	Limited  ~depth to bedrock   (limited)  ~droughty   (slightly limited)	    0.66    0.19 	Limited  ~depth to bedrock  (limited)  ~droughty  (slightly limited)	  0.66    0.19
73053: Lily	  Very limited  ~droughty   (very limited)  ~high erodibility   (limited)  ~depth to bedrock   (limited)	  1.00    0.80    0.76	  Limited  ~high erodibility  (limited)  ~depth to bedrock  (limited)  ~percs slowly  (moderately limited)	  0.80    0.76    0.57	  Moderately limited  ~droughty   (moderately limited)   	    0.48       	  Limited  ~depth to bedrock   (limited)  ~droughty   (moderately limited)	0.48	  Limited  ~depth to bedrock   (limited)  ~droughty   (moderately limited)	  0.76    0.48 
Bender	Very limited   ~droughty   (very limited)   ~high erodibility   (limited)   ~depth to bedrock   (limited)	  1.00    0.80    0.76	  Very limited  ~droughty   (very limited)  ~high erodibility   (limited)  ~depth to bedrock   (limited)	  1.00    0.80    0.76	  Very limited  ~droughty   (very limited)  ~large stones   (slightly limited)	  1.00    0.17 	Very limited  ~droughty   (very limited)  ~depth to bedrock   (limited)  ~large stones   (slightly limited)	  1.00    0.76    0.17	Very limited  ~droughty   (very limited)  ~depth to bedrock   (limited)  ~large stones   (slightly limited)	  1.00    0.76    0.17
73054: Viburnum	Moderately limited   ~wetness   (moderately limited)   ~percs slowly   (slightly limited)   ~droughty   (slightly limited)	0.55	   Moderately limited   ~wetness   (moderately limited)   ~percs slowly   (slightly limited)	0.55	  Moderately limited  ~wetness   (moderately limited) 	  0.55       	  Moderately limited  ~wetness   (moderately limited)   		Limited  ~wetness  (limited) 	0.85

### Wildlife Habitat

Map symbol and soil name	Grain and seed crops   use as food and cov		Domestic grasses a legumes (for use as and cover)		Upland wild herbaced plants	ous	   Upland shrubs and v   	ines	   Upland deciduous tr   	rees
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value   	Rating class and limiting features	Value	Rating class and limiting features	Value
73056: Viburnum	  Limited  ~percs slowly   (very limited)  ~high erodibility   (limited)  ~droughty   (limited)	    0.99    0.80    0.79	  Limited  ~percs slowly  (very limited)  ~high erodibility  (limited)  ~wetness  (moderately limited)	0.99	  Moderately limited  ~wetness   (moderately limited)	0.60	  Moderately limited  ~wetness   (moderately limited)   	0.60	Limited  ~wetness   (limited)	0.99
73057: Jerktail	Limited   -wetness   (limited)   -droughty   (moderately limited)   -percs slowly   (moderately limited)	    0.86    0.56    0.39	Limited  -wetness   (limited)  -percs slowly   (moderately limited)	    0.86    0.39 	  Limited  ~wetness   (limited) 	      0.86       	  Limited  ~wetness   (limited) 	    0.86     	  Very limited  ~wetness   (very limited)	1.00
73058: Gunlock	Moderately limited   -wetness   (moderately limited)   -moderate erodibility   (moderately limited)   -percs slowly   (moderately limited)		   Moderately limited   ~wetness   (moderately limited)   ~moderate erodibility   (moderately limited)   ~percs slowly   (moderately limited)	    0.58    0.50    0.39	   Moderately limited   ~wetness   (moderately limited)   ~small stones   (slightly limited) 	    0.58    0.04 	  Moderately limited  ~wetness   (moderately limited)   	    0.58     	  Limited  ~wetness   (limited) 	    0.93     
73063: Bendavis	  Limited  ~droughty   (limited)  ~moderate erodibility   (moderately limited)  ~small stones   (moderately limited)	0.33	   Moderately limited   ~moderate erodibility   (moderately limited)   ~small stones   (moderately limited)   ~wetness   (slightly limited)	0.50	  Slightly limited  ~wetness   (slightly limited)  ~small stones   (slightly limited)	0.28	  Slightly limited  ~wetness   (slightly limited)  ~depth to bedrock   (slightly limited)	    0.28    0.27 	   Moderately limited   ~wetness   (moderately limited)   ~depth to bedrock   (slightly limited)	    0.45    0.27

### Wildlife Habitat

Map symbol and soil name	  Grain and seed crops   use as food and cove		Domestic grasses at legumes (for use as the legumes) and cover)		Upland wild herbaced plants	ous	   Upland shrubs and v   	ines	   Upland deciduous tr   	ees
	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value
73063: (cont) Poynor	  Very limited  ~droughty  (very limited)  ~small stones  (very limited)  ~moderate erodibility  (moderately limited)	        1.00    0.50	   Very limited   ~small stones   (very limited)   ~moderate erodibility   (moderately limited)   ~droughty   (moderately limited)	  1.00    0.50    0.40	  Limited  ~small stones  (limited)  ~droughty  (moderately limited)	      0.67    0.40 	Limited  ~small stones   (limited)  ~droughty   (moderately limited)	      0.67    0.40   	  Moderately limited  ~droughty   (moderately limited)	0.40
73066: Bender	  Very limited  ~droughty   (very limited)  ~high erodibility   (limited)  ~depth to bedrock   (moderately limited)	1.00    0.80    0.32	  Very limited  ~droughty   (very limited)  ~high erodibility   (limited)  ~depth to bedrock   (moderately limited)	  1.00    0.80    0.32	  Very limited  ~droughty   (very limited)  ~large stones   (slightly limited) 	  1.00    0.03 	  Very limited  ~droughty   (very limited)  ~depth to bedrock   (moderately limited)  ~large stones   (slightly limited)	  1.00    0.32    0.03	  Very limited  ~droughty   (very limited)  ~depth to bedrock   (moderately limited)  ~large stones   (slightly limited)	  1.00    0.32    0.03
73067: Bender  Rock outcrop	~droughty   (very limited)  ~slope   (limited)  ~high erodibility   (limited)	  1.00    0.91    0.80	  Very limited  ~droughty   (very limited)  ~slope   (limited)  ~high erodibility   (limited)  Not rated	ĺ	  Very limited  ~droughty   (very limited)  ~large stones   (slightly limited)      Not rated	  1.00    0.17   	Very limited  ~droughty   (very limited)  ~depth to bedrock   (limited)  ~large stones   (slightly limited)  Not rated	  1.00    0.76    0.17	  Very limited  ~droughty   (very limited)  ~depth to bedrock   (limited)  ~large stones   (slightly limited)  Not rated	  1.00    0.76    0.17
73068: Tick	  Limited  ~droughty  (limited)  ~high erodibility  (limited)  ~percs slowly  (moderately limited)	0.82	  Limited  ~high erodibility  (limited)  ~percs slowly  (moderately limited)	      0.80    0.34 	  Not limited         		Not limited		  Not limited   	

### Wildlife Habitat

Map symbol and soil name	Grain and seed crops   use as food and cove		Domestic grasses a legumes (for use as and cover)		Upland wild herbace	eous	Upland shrubs and v	ines	   Upland deciduous ti   	rees
	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value	Rating class and limiting features	Value   	Rating class and limiting features	Value
73069: Tick	Limited  ~small stones  (limited)  ~droughty  (limited)  ~high erodibility  (limited)	0.94	  Limited  ~small stones   (limited)  ~high erodibility   (limited)  ~slope   (moderately limited)	0.94	  Slightly limited  ~small stones   (slightly limited)	0.20	  Not limited 		Not limited	
73071: Hogcreek	Limited  ~droughty  (limited)  ~wetness  (limited)  ~percs slowly  (moderately limited)	0.93	  Limited  ~wetness   (limited)  ~percs slowly   (moderately limited)  ~depth to bedrock   (slightly limited)	0.73	  Limited  ~wetness   (limited) 	    0.73     	  Limited  ~wetness   (limited)  ~depth to bedrock   (slightly limited)	  0.73    0.18	  Very limited  ~wetness   (very limited)  ~depth to bedrock   (slightly limited)	1.00
73072: Hogcreek	Limited   ~droughty   (limited)   ~wetness   (limited)   ~moderate erodibility   (moderately limited)	0.93	Limited  ~wetness   (limited)  ~moderate erodibility   (moderately limited)  ~percs slowly   (moderately limited)	İ	  Limited  ~wetness   (limited) 	0.73	  Limited  ~wetness   (limited)  ~depth to bedrock   (slightly limited)	0.73	  very limited  ~wetness   (very limited)  ~depth to bedrock   (slightly limited)	1.00
73073: Scholten	Very limited   ~droughty   (very limited)   ~percs slowly   (very limited)   ~high erodibility   (limited)	  1.00  1.00  1.00  0.80	  Very limited  ~percs slowly  (very limited)  ~high erodibility  (limited)  ~small stones  (limited)	  1.00    0.80    0.73	  Limited  ~droughty   (limited)  ~wetness   (moderately limited)  ~small stones   (slightly limited)	   0.70   0.58   0.15	  Limited  ~droughty   (limited)  ~wetness   (moderately limited)	  0.70    0.58 	Limited  ~wetness (limited)  ~droughty (limited)	  0.93    0.70 

#### Wildlife Habitat

Map symbol and soil name	Grain and seed crops   use as food and cove		Domestic grasses as legumes (for use as sand cover)		   Upland wild herbace   plants	ous	   Upland shrubs and v   	vines	   Upland deciduous tr   	rees
	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
73073: (cont) Poynor	,	    1.00    1.00    0.80	  Limited  ~small stones   (limited)  ~high erodibility   (limited)  ~droughty   (limited)	    1.00    0.80    0.75	  Limited  ~droughty  (limited)  ~small stones  (slightly limited)	0.75	  Limited  ~droughty   (limited)  ~small stones   (slightly limited)	0.75	  Limited  ~droughty   (limited)	0.75
73076: Mano	Very limited   ~small stones   (very limited)   ~droughty   (limited)   ~high erodibility   (limited)	    1.00    0.87    0.80	  Very limited  ~small stones   (very limited)  ~high erodibility   (limited)  ~slope   (moderately limited)	    1.00    0.80    0.60	  Moderately limited  ~small stones   (moderately limited)  ~wetness   (slightly limited)	0.42	  Slightly limited  ~small stones   (slightly limited)  -wetness   (slightly limited)	0.30	  Moderately limited  ~wetness   (moderately limited)	    0.45   
Ocie	1 2	  1.00    0.80    0.63	Very limited	  1.00    0.80    0.60	Moderately limited -small stones (moderately limited) -wetness (slightly limited)	0.42	Slightly limited  ~small stones   (slightly limited)  ~wetness   (slightly limited)	0.30	  Moderately limited  ~wetness   (moderately limited)	  0.45     
73077: Eudy	<pre>  ~wetness   (limited)   ~moderate erodibility   (moderately limited)</pre>		Limited  -wetness   (limited)  -moderate erodibility   (moderately limited)  -percs slowly   (moderately limited)		  Limited  ~wetness   (limited)  ~small stones   (slightly limited)	  0.86    0.00 	  Limited  ~wetness   (limited)  ~depth to bedrock   (slightly limited) 	  0.86    0.13 	(very limited)	  1.00    0.13 

### Wildlife Habitat

Map symbol and soil name	Grain and seed crops use as food and co		Domestic grasses a legumes (for use as and cover)		Upland wild herbace plants	eous	Upland shrubs and v	ines	Upland deciduous tr	rees
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value   	Rating class and limiting features	Value
73080: Alred	1		Limited		    Slightly limited		  Slightly limited		    Slightly limited	
	<pre> ~droughty   (very limited)  ~high erodibility   (limited)  ~slope   (limited)</pre>	1.00    0.80    0.68	<pre> ~high erodibility   (limited)  ~slope   (limited)  ~percs slowly   (moderately limited)</pre>	0.68	~droughty   (slightly limited)       	0.02	~droughty   (slightly limited)     	0.02         	<pre> ~droughty   (slightly limited)    </pre>	0.02
Bardley	! -		Limited		Limited		Limited		Limited	
	<pre>~droughty (very limited)</pre>	1.00	~slope   (limited)	0.87 	<pre> ~droughty   (limited)</pre>	0.72	~droughty   (limited)	0.72	<pre> ~droughty   (limited)</pre>	0.72
	~slope	0.87	~high erodibility	0.80	~large stones	0.17	~depth to bedrock	0.46	~depth to bedrock	0.46
	(limited)	10.80	(limited)  ~droughty	0.72	(slightly limited)  ~small stones	0.11	(moderately limited)  ~large stones	  0.17	(moderately limited)  ~large stones	10.17
	(limited)	0.80	(limited)	0.72	(slightly limited)		(slightly limited)	0.17	(slightly limited)	
Rock outcrop	  Not rated		  Not rated		  Not rated		  Not rated		  Not rated	
73081:										
Bender		(	Very limited	ĺ	Very limited	į	Very limited	į	Very limited	Ļ
	-droughty	1.00	~droughty	1.00	~droughty	1.00	-droughty	1.00	~droughty	1.00
	(very limited)  ~slope	11.00	(very limited)  ~slope	11.00	(very limited)  ~large stones	10.19	(very limited)  ~depth to bedrock	  0.32	(very limited)  ~depth to bedrock	10.32
	(very limited)		(very limited)		(slightly limited)		(moderately limited)		(moderately limited)	
	~high erodibility   (limited)	0.80	~high erodibility   (limited)	0.80	~small stones   (slightly limited)	0.05	~large stones   (slightly limited)	0.19	<pre> ~large stones   (slightly limited)</pre>	0.19
Alred	1 - 2		Limited		Limited		Limited		Limited	
	~droughty	1.00	~large stones >35%	0.99	~large stones	0.60	~large stones	0.60	~large stones	0.60
	<pre>(very limited)  ~large stones &gt;35%</pre>	  0.99	(very limited)  ~high erodibility	10.80	(limited)  ~small stones	10.02	(limited)  ~droughty	  0.02	(limited)  ~droughty	0.02
	(very limited)		(limited)		(slightly limited)		(slightly limited)		(slightly limited)	
	~high erodibility   (limited)	0.80	~slope   (limited)	0.68	<pre>~droughty   (slightly limited)</pre>	0.02		 		
Rock outcrop	  Not rated	1	  Not rated		  Not rated		  Not rated		  Not rated	

### Wildlife Habitat

Map symbol and soil name	Grain and seed crops use as food and cove	•	Domestic grasses a legumes (for use as and cover)		Upland wild herbace plants	ous	Upland shrubs and v	ines	   Upland deciduous tr   	rees
	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value	Rating class and limiting features	Value
73087: Celt	  Very limited  ~wetness   (very limited)  ~percs slowly   (very limited)  ~droughty   (limited)	    1.00    1.00    0.94	Very limited  -wetness  (very limited)  -percs slowly  (very limited)  -moderate erodibility  (moderately limited)	  1.00 	  Very limited  ~wetness   (very limited) 	      1.00     	  Very limited  ~wetness   (very limited) 	1.00	  Very limited  ~wetness   (very limited)	1.00
73159: Yelton	Limited   ~droughty   (limited)   ~high erodibility   (limited)   ~wetness   (moderately limited)	  0.88  0.80  0.58	  Limited  ~high erodibility  (limited)  ~wetness  (moderately limited)  ~percs slowly  (moderately limited)	0.80	  Moderately limited  ~wetness   (moderately limited)	    0.58       	  Moderately limited  ~wetness   (moderately limited) 	  0.58       	Limited  ~wetness   (limited)	0.93
73176: Bendavis	Very limited   ~droughty   (very limited)   ~small stones   (very limited)   ~high erodibility   (limited)	  1.00    1.00    0.80	Very limited   ~small stones   (very limited)   ~high erodibility   (limited)   ~depth to bedrock   (moderately limited)	  1.00    0.80    0.58	Moderately limited   ~small stones   (moderately limited)   ~droughty   (moderately limited)   ~wetness   (slightly limited)	  0.60    0.45    0.28	Moderately limited   ~small stones   (moderately limited)   ~depth to bedrock   (moderately limited)   ~droughty   (moderately limited)	0.60    0.58	Moderately limited  ~depth to bedrock ((moderately limited)  ~droughty ((moderately limited)  ~wetness ((moderately limited)	0.45
Poynor	Limited  -small stones   (limited)  -droughty   (very limited)  -high erodibility   (limited)	  1.00    0.99    0.80	Limited  ~small stones   (limited)  ~high erodibility   (limited)	  1.00    0.80   	  Slightly limited  ~small stones   (slightly limited)	0.24	  Slightly limited  ~small stones   (slightly limited) 	0.01	Not limited	

### Wildlife Habitat

Map symbol and soil name	Grain and seed crops use as food and cov	•	Domestic grasses a legumes (for use as and cover)		Upland wild herbace plants	ous	Upland shrubs and v	ines	Upland deciduous tr	rees
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value   	Rating class and limiting features	Value   
73197: Viburnum	   Moderately limited   ~wetness   (moderately limited)   ~moderate erodibility   (moderately limited)   ~percs slowly   (slightly limited)	1	   Moderately limited   ~wetness   (moderately limited)   ~moderate erodibility   (moderately limited)   ~percs slowly   (slightly limited)		  Moderately limited  ~wetness   (moderately limited)	0.60	Moderately limited -wetness (moderately limited)	0.60	  Limited  ~wetness   (limited)	0.99
73198: Gressy	    Moderately limited  ~moderate erodibility   (moderately limited)		  Moderately limited  ~moderate erodibility   (moderately limited)	      0.50 	    Not limited   		  Not limited 		    Not limited   	
Viraton	Very limited  ~percs slowly   (very limited)  ~droughty   (limited)  ~moderate erodibility   (moderately limited)		Very limited  ~percs slowly   (very limited)  ~moderate erodibility   (moderately limited)  ~wetness   (moderately limited)	İ	Moderately limited  ~wetness   (moderately limited)   	  0.44       	Moderately limited  ~wetness   (moderately limited) 	  0.44       	Moderately limited  ~wetness   (moderately limited) 	  0.59     
73199: Moko	  Very limited  ~droughty   (very limited)  ~shallow to bedrock   (very limited)  ~small stones   (very limited)	  1.00    1.00    1.00	  Very limited  ~droughty   (very limited)  ~shallow to bedrock   (very limited)  ~small stones   (very limited)	  1.00    1.00    1.00	  Very limited  ~droughty   (very limited)  ~small stones   (moderately limited)  ~large stones   (slightly limited)	  1.00    0.30    0.06	Very limited  ~droughty   (very limited)  ~shallow to bedrock   (very limited)  ~small stones   (slightly limited)	  1.00    1.00    0.11	  Very limited  ~shallow to bedrock   (very limited)  ~droughty   (very limited)  ~large stones   (slightly limited)	  1.00    1.00    0.06
Rock outcrop	  Not rated   	       	  Not rated   	       	  Not rated   	       	Not rated		  Not rated   	

### Wildlife Habitat

Map symbol and soil name	Grain and seed crops (for   use as food and cover)		Domestic grasses and legumes (for use as food and cover)		Upland wild herbaceous		Upland shrubs and vines		Upland deciduous trees	
	Rating class and limiting features	Value   	Rating class and limiting features	Value	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value
73220: Poynor	  Very limited  ~droughty   (very limited)  ~small stones   (limited)  ~high erodibility   (limited)	    1.00    1.00    0.80	Limited  -small stones   (limited)  -high erodibility   (limited)  -droughty   (moderately limited)	    1.00    0.80    0.57	  Moderately limited  ~droughty   (moderately limited)  ~small stones   (slightly limited)	    0.57    0.24 	  Moderately limited  ~droughty   (moderately limited)  ~small stones   (slightly limited)	      0.57    0.01 	  Moderately limited  ~droughty   (moderately limited) 	      0.57     
73221: Poynor	Very limited   ~droughty   (very limited)   ~small stones   (very limited)   ~high erodibility   (limited)	  1.00    1.00    0.80	  Very limited  ~small stones  (very limited)  ~high erodibility  (limited)  ~droughty  (moderately limited)	  1.00    0.80    0.57	  Limited  ~small stones   (limited)  ~droughty   (moderately limited)	  0.81    0.57 	  Limited  ~small stones   (limited)  ~droughty   (moderately limited)	  0.81    0.57 	  Moderately limited  ~droughty   (moderately limited) 	    0.57     
73222: Splitlimb	Very limited   ~ponded (wetness)   (very limited)   ~wetness   (moderately limited)   ~percs slowly   (slightly limited)	    1.00    0.55    0.13	Very limited	  1.00    0.55    0.13	  Limited  ~seasonally ponded  (limited)  ~wetness  (moderately limited)	    0.80    0.55	  Limited  ~seasonally ponded   (limited)  ~wetness   (moderately limited)	    0.80    0.55	  Limited  ~wetness   (limited)  ~seasonally ponded   (limited)	    0.85    0.80
73223: Coulstone	  Very limited  ~droughty   (very limited)  ~large stones >35%   (very limited)  ~high erodibility   (limited)	    1.00    0.99    0.80	  Very limited  ~droughty   (very limited)  ~large stones >35%   (very limited)  ~high erodibility   (limited)	1.00	  Very limited  ~droughty   (very limited)  ~large stones   (limited)  ~small stones   (slightly limited)	  1.00    0.60    0.02	  Very limited  ~droughty   (very limited)  ~large stones   (limited)	  1.00    0.60 	  Very limited  ~droughty   (very limited)  ~large stones   (limited)	    1.00    0.60 

### Wildlife Habitat

Map symbol and soil name	Grain and seed crops (for use as food and cover)		Domestic grasses and legumes (for use as food and cover)		Upland wild herbaceous plants		Upland shrubs and vines		Upland deciduous trees	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value
73223: (cont) Bender	  Very limited  ~droughty   (very limited)  ~small stones   (limited)  ~high erodibility   (limited)	1.00	  Very limited  ~droughty   (very limited)  ~small stones   (limited)  ~high erodibility   (limited)	1.00	Very limited  -droughty (very limited)  -large stones (slightly limited)  -small stones (slightly limited)	    1.00    0.19    0.17	  Very limited  ~droughty  (very limited)  ~depth to bedrock  (moderately limited)  ~large stones  (slightly limited)	      1.00    0.32    0.19	  Very limited  ~droughty   (very limited)  ~depth to bedrock   (moderately limited)  ~large stones   (slightly limited)	  1.00    0.32    0.19
	~droughty   (very limited)  ~shallow to bedrock   (very limited)  ~high erodibility   (limited)	  1.00    1.00    0.80	  Very limited  ~droughty   (very limited)  ~shallow to bedrock   (very limited)  ~high erodibility   (limited)	  1.00    1.00    0.80	  Very limited  ~droughty  (very limited)  ~small stones  (slightly limited)  ~large stones  (slightly limited)	  1.00    0.13    0.06	Very limited  -droughty (very limited)  -shallow to bedrock (very limited)  -large stones (slightly limited)	  1.00    1.00    0.06	<pre>(very limited)  ~droughty (very limited)  ~large stones (slightly limited)</pre>	  1.00    1.00    0.06
Rock outcrop	Not rated   	     	Not rated   	     	Not rated	     	Not rated	     	Not rated   	
74626: Tanglenook	   Very limited   ~wetness   (very limited)   ~percs slowly   (moderately limited)	    1.00    0.39	  Very limited  ~wetness   (very limited)  ~percs slowly   (moderately limited)	    1.00    0.39 	  Very limited  ~wetness   (very limited)	      1.00     	  very limited  ~wetness  (very limited)	      1.00     	  very limited  ~wetness   (very limited)	1.00
74627: Hartville	   Moderately limited   ~wetness   (moderately limited)   ~percs slowly   (moderately limited)	  0.39	   Moderately limited   ~wetness   (moderately limited)   ~percs slowly   (moderately limited)	0.39	  Moderately limited  ~wetness   (moderately limited) 		Moderately limited ~wetness (moderately limited)		  Moderately limited  ~wetness   (moderately limited)   	0.59

#### Wildlife Habitat

Map symbol and soil name	Grain and seed crops (for use as food and cover)		Domestic grasses and   legumes (for use as food   and cover)		Upland wild herbaceous plants		Upland shrubs and vines		Upland deciduous trees	
	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value
74629: Raftville	  Very limited  ~droughty   (very limited)  ~depth to bedrock   (limited)  ~moderate erodibility   (moderately limited)	    1.00    0.66    0.50	Limited  ~depth to bedrock  (limited)  ~moderate erodibility  (moderately limited)  ~droughty  (slightly limited)	0.66	  Slightly limited  ~droughty   (slightly limited) 	0.23	  Limited  ~depth to bedrock   (limited)  ~droughty   (slightly limited)	0.66	  Limited  ~depth to bedrock   (limited)  ~droughty   (slightly limited)	0.66
74636: Lecoma	  Moderately limited  ~moderate erodibility   (moderately limited)	      0.50	  Moderately limited  ~moderate erodibility   (moderately limited)	    0.50	  Not limited 	       	  Not limited 	       	  Not limited 	
74637: Lecoma	  Limited  ~high erodibility   (limited)	      0.80	  Limited  ~high erodibility   (limited)	0.80	  Not limited 	       	  Not limited 	       	  Not limited	
74677: Deible	  Very limited  ~wetness   (very limited)  ~percs slowly   (limited)  ~droughty   (slightly limited)	  1.00    0.86    0.01	  Very limited  ~wetness   (very limited)  ~percs slowly   (limited)	  1.00    0.86	  Very limited  ~wetness   (very limited) 	  1.00       	  Very limited  ~wetness   (very limited) 	    1.00     	  Very limited  ~wetness   (very limited)	1.00
74679: Higdon	   Moderately limited  ~wetness   (moderately limited)	      0.60	  Moderately limited  ~wetness   (moderately limited)	      0.60 	  Moderately limited  ~wetness   (moderately limited)	      0.60 	  Moderately limited  ~wetness   (moderately limited)	      0.60 	  Limited  ~wetness   (limited)	0.99
75381: Bearthicket	  Not limited 	   	  Not limited 	   	  Not limited 	   	  Not limited 	   	  Not limited 	

### Wildlife Habitat

Map symbol and soil name	Grain and seed crops (for use as food and cover)		Domestic grasses and   legumes (for use as food     and cover)		Upland wild herbaceous		   Upland shrubs and vines   		   Upland deciduous trees   	
	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value	Rating class and limiting features	Value
75382: Cedargap	Limited  -flooding   (limited)  -small stones   (moderately limited)  -droughty   (slightly limited)	0.90	  Limited  ~flooding   (limited)  ~small stones   (moderately limited)	    0.90    0.48 	  Slightly limited  ~small stones   (slightly limited) 	0.08	  Not limited       		  Not limited         	
75388: Kaintuck	~flooding (limited)	    0.90    0.34	  Limited  ~flooding   (limited) 	    0.90   	  Not limited 		  Not limited 		  Not limited 	
Relfe	Very limited  -droughty (very limited)  -small stones (very limited)  -flooding (limited)	  1.00    1.00    0.90	  Very limited  ~droughty   (very limited)  ~small stones   (very limited)  ~flooding   (limited)	1.00	  very limited  ~droughty   (very limited)  ~small stones   (limited)	1.00	Very limited  ~droughty  (very limited)  ~small stones  (limited)	1.00	  very limited  ~droughty   (very limited)	1.00
75389: Dunning	· -	  1.00    1.00    0.90	  Very limited  ~wetness   (very limited)  ~percs slowly   (very limited)  ~flooding   (limited)	İ	  Very limited  ~wetness   (very limited)  ~too clayey   (slightly limited)	1.00	  Very limited  ~wetness   (very limited)  ~too clayey   (slightly limited)	11.00	  Very limited  ~wetness   (very limited) 	1.00

### Wildlife Habitat

Map symbol and soil name	Grain and seed crops (for use as food and cover)		Domestic grasses and   legumes (for use as food   and cover)		Upland wild herbaceous plants		   Upland shrubs and vines   		Upland deciduous trees	
	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value   _	Rating class and limiting features	Value	Rating class and limiting features	Value
75389: (cont) Hercules	Very limited   -wetness   (very limited)   -droughty   (very limited)   -flooding   (limited)	1.00	  Very limited  ~wetness   (very limited)  ~flooding   (limited)  ~small stones   (moderately limited)	  0.90    0.50	  Very limited  ~wetness   (very limited)  ~small stones   (slightly limited)  ~droughty   (slightly limited)	1.00	  Very limited  ~wetness   (very limited)  ~droughty   (slightly limited)	1.00	  Very limited  ~wetness   (very limited)  ~droughty   (slightly limited)	1.00
75390: Razort	  Not limited	   	    Not limited	   	    Not limited 		    Not limited		    Not limited 	
75391: Possumtrot	Moderately limited   ~flooding   (moderately limited)   ~droughty   (slightly limited)	0.60	   Moderately limited   ~flooding   (moderately limited) 	    0.60   	  Not limited 		  Not limited 	       	  Not limited   	
75392: Stultz	Very limited   -wetness   (very limited)   -droughty   (very limited)   -flooding   (limited)	  1.00    1.00    0.90	  Very limited  ~wetness   (very limited)  ~flooding   (limited)  ~percs slowly   (slightly limited)		  Very limited  ~wetness   (very limited)  ~droughty   (slightly limited)	1.00	  Very limited  ~wetness   (very limited)  ~droughty   (slightly limited)	    1.00    0.03	(very limited)	11.00
75406: Racket	  Limited  ~flooding   (limited)	    0.90 	Limited  ~flooding   (limited)	    0.90 	  Not limited 		  Not limited 		  Not limited 	

### Wildlife Habitat

Map symbol and soil name	Grain and seed crops (for use as food and cover)		Domestic grasses and legumes (for use as food and cover)		   Upland wild herbaceous   plants		Upland shrubs and vines		   Upland deciduous trees   	
	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value
75417: Relfe	  Very limited  ~droughty   (very limited)  ~small stones   (very limited)  ~flooding   (limited)	        1.00    0.90	Very limited  ~droughty (very limited)  ~small stones (very limited)  ~flooding (limited)	      1.00    1.00    0.90	  Very limited  ~droughty   (very limited)  ~small stones   (moderately limited)	      1.00    0.56	  Very limited  ~droughty   (very limited)  ~small stones   (moderately limited)	      1.00    0.53	  Very limited  ~droughty   (very limited)	1.00
Sandbur	Limited  ~flooding  (limited)  ~droughty  (moderately limited)	  0.90    0.34	Limited  ~flooding   (limited)	  0.90   	Not limited	         	Not limited	         	Not limited	
75418: Tilk	   Very limited   ~small stones   (very limited)   ~droughty   (very limited)   ~moderate erodibility   (moderately limited)	  1.00    1.00    0.50	Very limited  -small stones  (very limited)  -moderate erodibility  (moderately limited)  -droughty  (moderately limited)	İ	  Limited  ~small stones   (limited)  ~droughty   (moderately limited)	  0.91    0.34 	  Limited  ~small stones   (limited)  ~droughty   (moderately limited)	  0.92    0.34	  Moderately limited  ~droughty   (moderately limited)	0.34
75419: Perche	~wetness (very limited)	  1.00    0.60    0.02	  very limited  ~wetness  (very limited)  ~flooding  (moderately limited)	  1.00    0.60 	  Very limited  ~wetness   (very limited) 	  1.00         	  Very limited  ~wetness   (very limited) 	  1.00       	  very limited  wetness   (very limited)	1.00

### Wildlife Habitat

Map symbol and soil name	Grain and seed crops (for use as food and cover)		Domestic grasses and legumes (for use as food   and cover)		Upland wild herbaceous		Upland shrubs and vines		Upland deciduous trees	
	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value   	Rating class and limiting features	Value
75420: Secesh	  Limited  ~droughty   (limited)  ~flooding   (moderately limited)	    0.70    0.60	  Moderately limited  ~flooding   (moderately limited)	    0.60   	  Not limited   		  Not limited   		  Not limited 	
Tilk	Very limited   ~small stones   (very limited)   ~droughty   (very limited)   ~flooding   (moderately limited)	  1.00    1.00    0.60	  very limited  ~small stones   (very limited)  ~flooding   (moderately limited)  ~droughty   (moderately limited)	0.60	   Moderately limited  ~small stones   (moderately limited)  ~droughty   (moderately limited)	  0.42    0.34	   Moderately limited   ~droughty   (moderately limited)   ~small stones   (slightly limited)	0.34	  Moderately limited  ~droughty   (moderately limited) 	0.34
99000: Pits, quarries-	  Not rated 	     	  Not rated 	     	  Not rated 	     	  Not rated 	     	  Not rated 	
99001: Water	    Not rated   		    Not rated 		  Not rated 		    Not rated 		  Not rated 	